

Rabbit anti-Human CGB/HCG-Beta Polyclonal Antibody | anti-CGB antibody

CGB/HCG-Beta Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289794	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

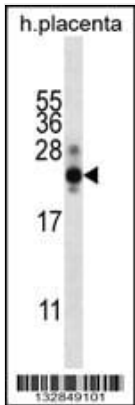
CGB/HCG-Beta; Polyclonal Antibody; CGB/HCG-Beta Antibody (C-term); Choriogonadotropin subunit beta; CG-beta; Chorionic gonadotrophin chain beta; CGB; CGB3; anti-CGB antibody

PRODUCT SPECIFICATIONS

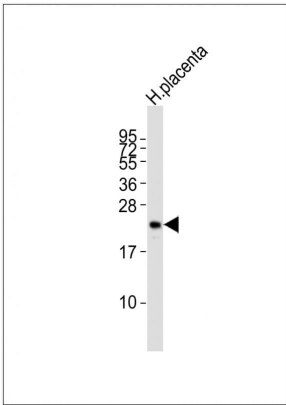
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CGB/HCG-Beta antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 137-165 amino acids from the C-terminal region of human CGB/HCG-Beta.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	137-165
Sequence Length	165
Applicable Applications for anti-CGB antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
CGB/HCG-Beta Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CGB/HCG-Beta Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CGB/HCG-Beta Antibody (C-term) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the CGB/HCG-Beta antibody detected the CGB/HCG-Beta protein (arrow).



WB (Western Blot)
Anti-CGB/ HCG-Beta Antibody (C-term)at 1:2000 dilution + human placenta lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 18 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CGB antibody	This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 3 subunit of chorionic gonadotropin (CG). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. The beta subunit of CG is encoded by 6 genes which are arranged in tandem and inverted pairs on chromosome 19q13.3 and contiguous with the luteinizing hormone beta subunit gene.
Product Categories/Family for anti-CGB antibody	Cancer; Developmental biology; Metabolism; Signal transduction
References	Cole, L.A. Placenta 31(8):653-664(2010) Ra, Y.J., et al. Interact Cardiovasc Thorac Surg 11(1):114-116(2010) Verma, B., et al. J. Immunol. 184(4):2156-2165(2010) Handschuh, K., et al. Placenta 30(12):1016-1022(2009) Reisenbichler, E.S., et al. Breast J 15(5):527-530(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502789
NCBI GeneID	1082
NCBI Accession #	NP_000728.1; NP_149032.1; NP_149133.1; NP_149439.1

NCBI GenBank Nucleotide #	NM_000737.3
UniProt Accession #	P01233; Q13991; Q14000; Q3KPI3; Q3SY41; Q8WTT5; Q8WXL1; Q8WXL2; Q8WXL3; Q8WXL4; A1A5E0; B9ZVP5
Molecular Weight	17739
NCBI Official Full Name	choriogonadotropin subunit beta
NCBI Official Synonym Full Names	chorionic gonadotropin, beta polypeptide
NCBI Official Symbol	CGB
NCBI Official Synonym Symbols	CGB3; CGB5; CGB7; CGB8; hCGB
NCBI Protein Information	choriogonadotropin subunit beta
UniProt Protein Name	Choriogonadotropin subunit beta
UniProt Gene Name	CGB
UniProt Synonym Gene Names	CGB3; CG-beta
UniProt Entry Name	CGHB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cgb-hcg-beta-antibody-immunohistochemistry-western-blot-elisa/289794>